

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1320486

Luminaire Tested: LDSQA3D20R709840D010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R709840D010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

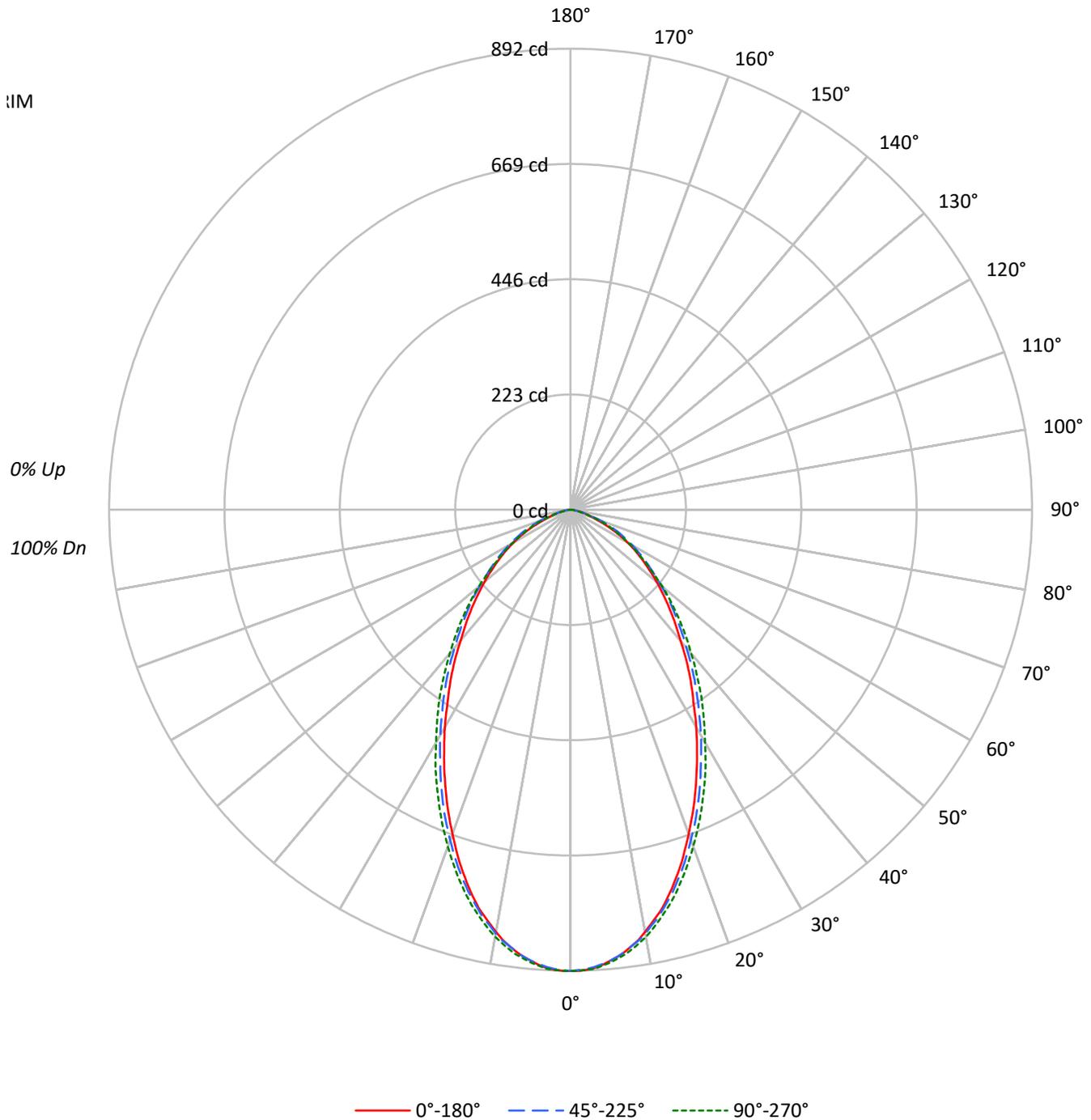
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1340.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20		
RC	80				70				50				30				10		0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91		89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80		78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70		68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62		61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56		54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51		49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46		44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42		40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39		37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36		34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	153691	153691	153691
5°	151478	151478	152048
10°	145028	145587	146724
15°	135150	136309	138038
20°	122300	124682	127047
25°	109265	112344	115422
30°	96629	100169	103390
35°	85128	88871	92613
40°	74281	78283	81565
45°	65883	69439	71801
50°	58141	61195	62053
55°	51074	53987	52516
60°	44089	47430	45191
65°	34965	40914	36961
70°	25278	31824	27745
75°	19430	20495	17234
80°	12893	12893	9620
85°	6323	6323	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 71801 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	6.1
10°-20°	213.6	15.9
20°-30°	271.4	20.3
30°-40°	264.0	19.7
40°-50°	219.5	16.4
50°-60°	158.3	11.8
60°-70°	93.1	7.0
70°-80°	33.0	2.5
80°-90°	4.8	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	567.2	42.3
0°-40°	831.2	62.0
0°-60°	1209.0	90.2
0°-90°	1340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	892	892	892	892	892	
5°	876	875	876	876	880	82
15°	758	758	764	769	774	211
25°	575	582	591	602	607	264
35°	405	410	423	434	440	253
45°	270	275	285	292	295	209
55°	170	175	180	178	175	153
65°	86	92	100	96	91	86
75°	29	31	31	28	26	32
85°	3	3	3	3	3	5
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	892.4	892.4	892.4	892.4	892.4
1°	892.4	890.8	890.8	890.8	892.4
2°	890.8	889.2	889.2	889.2	890.8
3°	887.6	885.9	885.9	885.9	889.2
4°	882.7	879.5	881.1	881.1	884.3
5°	876.2	874.6	876.2	876.2	879.5
6°	869.7	868.1	869.7	869.7	873.0
7°	861.7	860.0	861.7	863.3	866.5
8°	851.9	850.3	851.9	853.6	858.4
9°	842.2	840.6	843.8	845.5	848.7
10°	829.3	829.3	832.5	834.1	839.0
11°	816.3	816.3	819.5	822.8	827.6
12°	803.3	803.3	808.2	811.4	814.7
13°	790.4	788.8	793.6	796.9	801.7
14°	774.2	772.6	779.0	783.9	788.8
15°	758.0	758.0	764.5	769.3	774.2
17.5°	714.3	715.9	724.0	730.5	735.3
20°	667.3	672.2	680.3	688.3	693.2
22.5°	621.9	625.2	636.5	646.2	651.1
25°	575.0	581.5	591.2	602.5	607.4
27.5°	529.6	536.1	545.8	557.2	565.3
30°	485.9	490.8	503.7	515.0	519.9
32.5°	442.2	448.6	461.6	472.9	479.4
35°	404.9	409.8	422.7	434.1	440.5
37.5°	367.7	372.5	385.5	395.2	400.1
40°	330.4	338.5	348.2	357.9	362.8
42.5°	299.6	306.1	315.8	323.9	328.8
45°	270.5	275.3	285.1	291.5	294.8
47.5°	242.9	247.8	257.5	260.8	262.4
50°	217.0	221.9	228.4	230.0	231.6
52.5°	192.7	196.0	202.5	202.5	200.8
55°	170.1	174.9	179.8	178.2	174.9
57.5°	149.0	150.6	158.7	155.5	152.2
60°	128.0	131.2	137.7	134.4	131.2
62.5°	106.9	110.1	118.2	115.0	110.1
65°	85.8	92.3	100.4	95.6	90.7
67.5°	64.8	72.9	81.0	76.1	72.9
70°	50.2	56.7	63.2	58.3	55.1
72.5°	38.9	42.1	45.4	42.1	38.9
75°	29.2	30.8	30.8	27.5	25.9
77.5°	21.1	22.7	19.4	16.2	16.2
80°	13.0	14.6	13.0	9.7	9.7
82.5°	6.5	8.1	6.5	6.5	6.5
85°	3.2	3.2	3.2	3.2	3.2
87.5°	1.6	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)